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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/743,966	12/23/2003	Patrick Willem	920522-95347	9399	
23644 7590 04/27/2007 BARNES & THORNBURG LLP P.O. BOX 2786			EXAMINER		
			DINH, DUC Q		
CHICAGO, IL 60690-2786		•	ART UNIT	PAPER NUMBER	
	4 4		2629	2629	
SHORTENED STATUTOR	RY PERIOD OF RESPONSE	MAIL DATE	DELIVER	DELIVERY MODE	
3 MC	ONTHS	04/27/2007	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)				
		WILLEM ET AL.				
Office Action Summary	10/743,966					
· · · · · · · · · · · · · · · · · · ·	Examiner	Art Unit				
The MAILING DATE of this communication app	DUC Q. DINH	2629				
Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DATE - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period was realized to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be time will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on <u>18 February 2007</u> .						
<u> </u>	, 					
• • • • • • • • • • • • • • • • • • • •	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) ☐ Claim(s) 1-23 is/are pending in the application. 4a) Of the above claim(s) 12-21 and 23 is/are w 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1,3-11 and 22 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vithdrawn from consideration.					
Application Papers						
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Example 11.	epted or b) objected to by the drawing(s) be held in abeyance. Se ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). ojected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892)	4) 🔲 Interview Summary					
Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail D 5) Notice of Informal F 6) Other:					

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DETAILED ACTION

1. This Office action is responsive to the Response to the Applicant's Amendment filed on February 14, 2007. Claims 1, 3-11 and 22 are pending in the Application, claim 1 is amendede and claim 2 is cancelled.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 1, 3-7, 9-11 are rejected under 35 U.S.C. 102(e) as being anticipated by Cok (U.S Patent No. 6,999,045).

In reference to claim 1, Cok discloses in Figure 1, a tiled emissive display (8) for displaying an image, the tiled emissive display (8) comprising a plurality of emissive display tile assemblies (10) mechanically coupled together, and

a processing means (32 in Fig. 4) for performing real-time calculations with respect to the image to be displayed, wherein the processing means is a distributed processing means distributed over the plurality of emissive display tile assemblies (10), so that each emissive display tile assembly (10) is suitable for handling a different portion of the image for performing real-time calculations. In addition, Ogino discloses the tiled emissive display (10) wherein the distributed processing means (32) is suitable for performing image upscaling or downscaling at each emissive display tile assembly (10) [col. 3, 38-43; col. 4 lines 34-47].

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In reference to claim 3, Cok discloses for the image upscaling or downscaling a high-level scaling algorithm is used (col. 4, lines 28-43).

In reference to claim 4, Cok discloses wherein the high-level scaling algorithm is a 100% accurate scaling algorithm (col. 4, lines 6-18).

In reference to claim 5, Ogino discloses the distributed processing means of the plurality of emissive display tile assemblies (10) operate in parallel (see Fig. 5).

In reference to claim 6, Cok discloses an emissive display tile assembly (10) is provided with a data input and/or a data output connection for receiving data from or transmitting data to another emissive display tile assembly (10) via any of a multi-line connection (see Figs. 1 and 4).

In reference to claim 9, Cok disclosesin each emissive display tile assembly (10) is provided with a local memory means (36 in Fig. 4) for storing configuration data (col. 3, lines 10-15).

In reference to claim 10, Cok discloses a tile is adapted so that it can be repaired while other tiles continues working (col. 4, lines 50-60)

In reference to claim 11, Cok discloses the display has an adjustable size (col. 2, lines 40-41 and col. 4, lines 48-49).

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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In reference to claim 8, Cok discloses an improved design for providing data signals to a tiled display that is expansible, readily scales to larger size tile arrays, does not require a single common hardware connection device and can be self-configured, is provided through the use of a serial electronic connection from one display tile to the next and originating from a single controller. Each display tile is connected to two neighbors and communicates with each neighbor. A display tile at the end of the series of display tiles will only communicate with the single neighbor to which it is connected (col. 2, lines 42-50). But Cok does not specifically that a connector allowing to combine both power and data transmission.

It would have been obvious for one of ordinary skill in the art at the time of the invention to recognize the use of connector allowing to combine both power and data transmission is well known to provide compact system in the art of display are widely used for reducing the size of the system.

Furthermore, absent a showing of critically and/or unexpected result, it would been obvious to one of ordinary skill in the art to combine the power and data transmission as a connector for display system as desired as was judicially recognized with In re Larson, 144 USPQ 347 (CCPA 1965), which recognizes that the combination of well known elements i.e. power and data, is normally not desired toward patentable subject matter.

5. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Cok in view of Ogino et al. (U.S Patent No. 6,791,513).

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In reference to claim 7, Cok disclsoes is provided through the use of a serial electronic connection from one display tile to the next and originating from a single controller and Ogino discloses an emissive display tile assembly (100) is provided with a power input and/or a power output connection for receiving power from or transmitting power to another emissive display tile assembly (100) via any of a multi-line connection (106) in Figs. 1, 2, 3, 7 and 12 as claimed.

It would have been obvious for one of ordinary skill in the art at the time of the invention to utilized the power connection as taught by Ogino in the display device of Cok so that a user can freely and easily change a size of the screen (col. 3, lines 2-3).

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to DUC Q. DINH whose telephone number is (571) 272-7686. The examiner can normally be reached on Mon-Fri from 8:00.AM-4:00.PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, RICHARD HJERPE can be reached on (571)272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

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system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

DUC Q DINH Examiner Art Unit 2629